

Technical Committee

Bloomingtondale / LeDroit Park Proposed Improvements

October 31, 2012

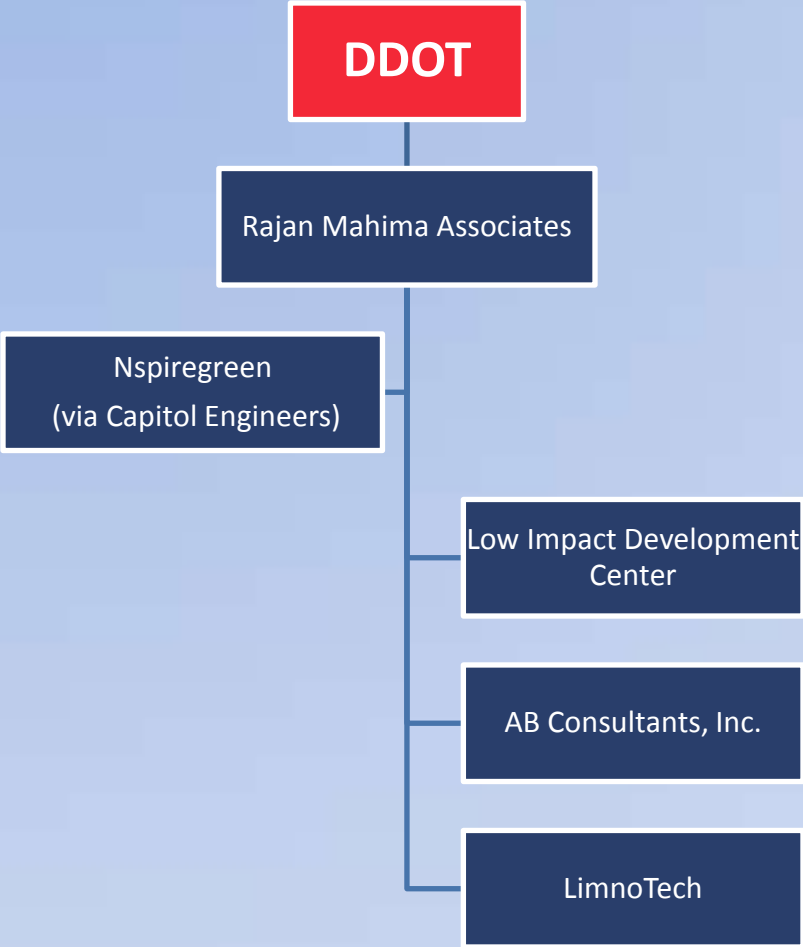


Agenda

- Design Team
- Proposed Improvements
- Schedule
- Community Engagement
- Questions



Design Team



- **Project Manager:** Rajan Mahima Associates
- **Subs:**
 - *Low Impact Development Center (LIDC)*— Conducting the low impact development design
 - *AB Consultants, Inc.*— conducting the survey work
 - *LimnoTech*—conducting the modeling
- **Community Outreach:** Nspiregreen LLC

Proposed Improvement Options

Florida Ave NW—500 Block



Proposed Improvement Options

- Convert Existing Single Basin to Double Catch Basin
- Install two new Double Catch Basins on the north side of Florida Avenue
- Install a new Single Grate Inlet on the south side of Florida Avenue, NW (500 Block)

Challenges

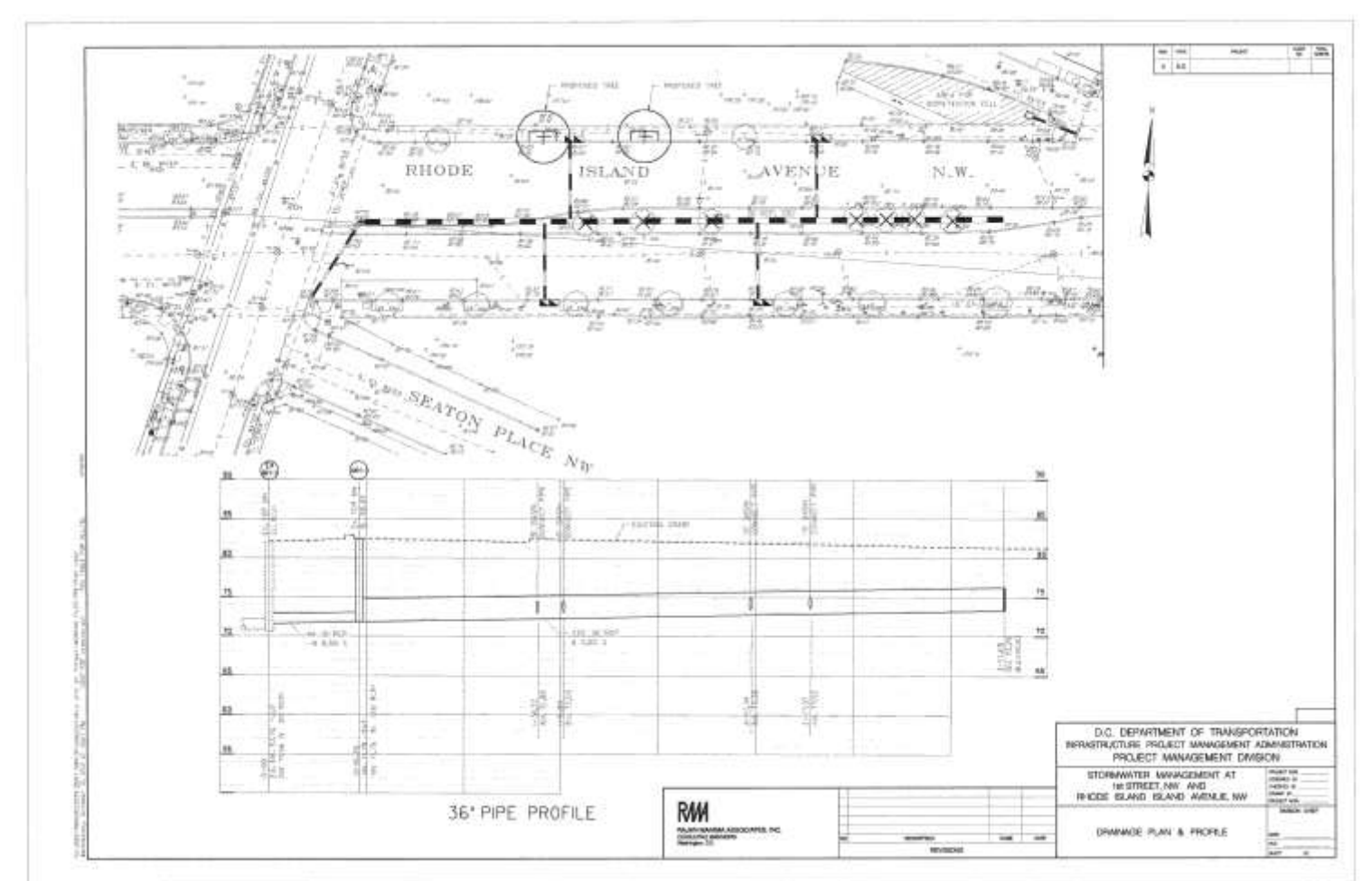
- Insufficient space to protect against overflows.



Project Area



Project Area – Rhode Island Avenue



Proposed Improvement Options

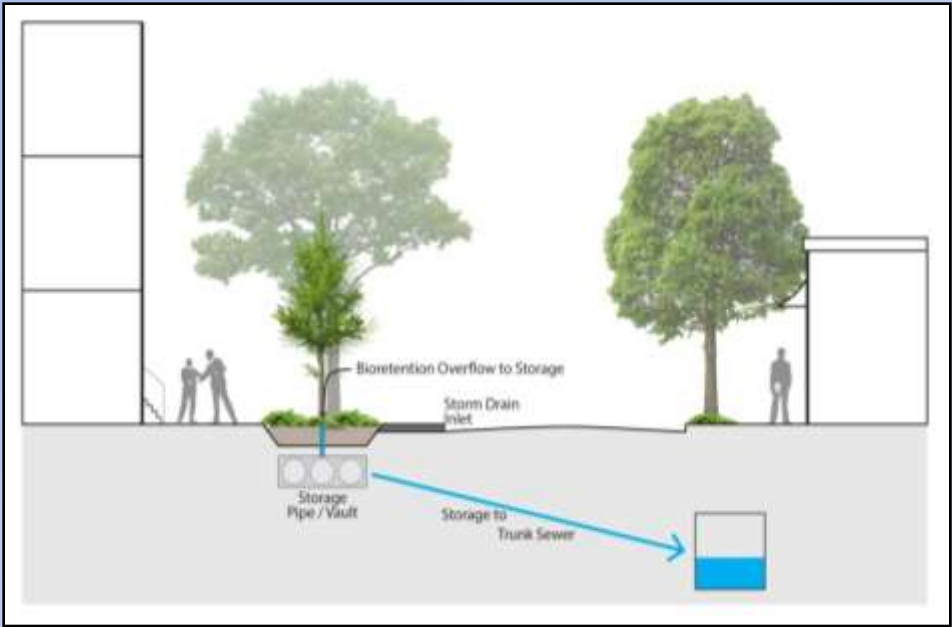
- Install underground detention under the median within the 100 block of Rhode Island Avenue & 1st Street, NW
- Install Bioretention Cells at Rhode Island Avenue & T Street, N.W.
- Expand the Tree Boxes along
 - U Street, NW between 1st and 2nd Street, & between North Capitol Street and 1st Street
 - T Street, NW between North Capitol Street and 1st Street

Challenges

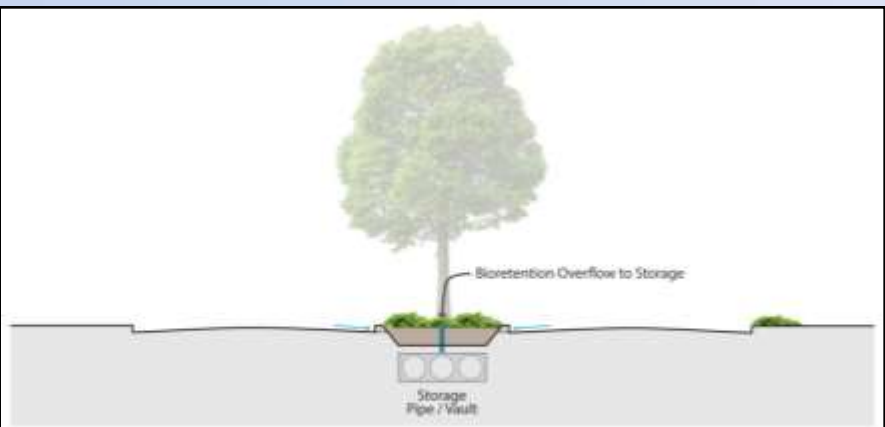
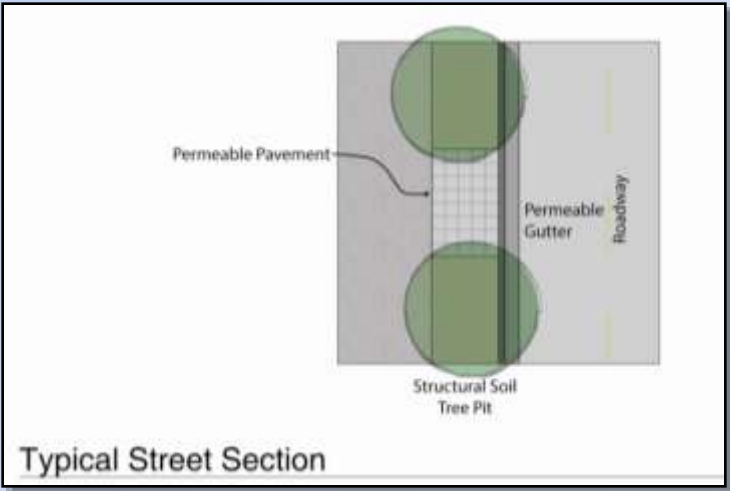
- Insufficient space to protect against overflows.
- Avoid ponding Sewage in open space during receding period

Proposed Improvements Options

Potential Green/ Gray Infrastructure Solutions



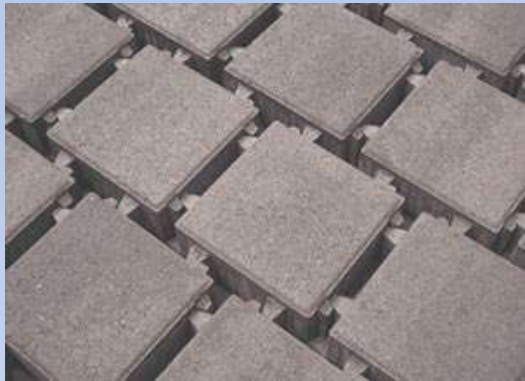
1st Street Section



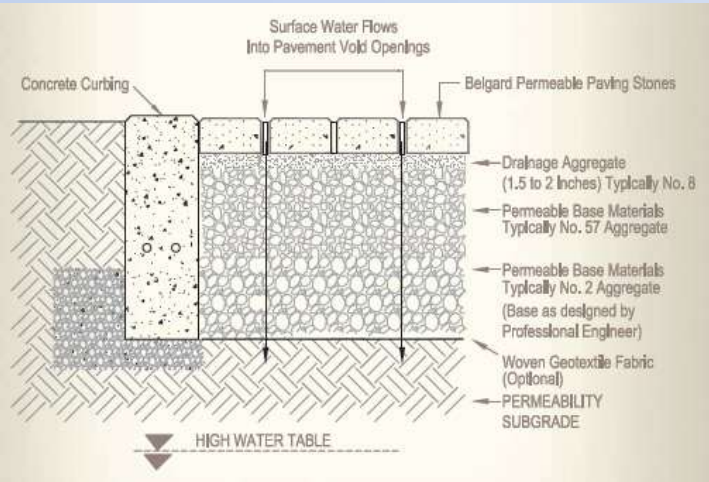
Rhode Island Section

Proposed Improvement Options

Proposed Materials



Permeable paving is an alternative to traditional pavements. It uses a number of materials that will allow water to pass through the riding surface and pass to an underdrain or in to the soil . It can help to reduce runoff and can help to filter pollutants from water. Not only will these surfaces allow water to pass through but they can also be strong enough to hold the weight of a vehicle.



Schedule

- Florida Avenue
 - Survey: Sept. 24 – Oct 5 - **Completed**
 - Design: Oct. 8 – Oct. 18 - **Completed**
 - Construction: November 1 – 30

- Rhode Island Avenue
 - Survey: Oct. 4 – 11 – **Completed**
 - Geotech Oct. 8 – 12 – **New Completion date: Nov. 15**
 - Design Oct. 15 – Nov 16 - **New Completion date: Nov. 30**
 - Fabrication Nov. 19 – Nov. 23 - **New Completion date: Dec. 7**
 - Construction Nov. 26 – March. 31 - **TBA**

***Note:** this requires expedited removal and approval permits from DDOT, DCRA and DDOE.
Construction could possibly begin earlier in areas where are increasing the size of the catch basins*

Questions

